**Lab – States of Matter**

**Objective**: Create a model for each of the 3 states of matter, using your powers of observation.

**Procedure:**

1. Write a definition for each of the following: *solid, liquid, gas.*
2. Now use the syringes at your lab station. For each substance, test the compressibility by pushing on the plunger while holding your finger over the syringe opening, and observing the decrease in volume for the substance. Record your findings in an organized chart. (Press syringes according to directions)!
3. Using words and pictures, develop and draw a model which explains the compressibility differences between a solid, liquid, and a gas based on your findings from lab. (Remember that matter is made of particles).
4. Give 2 examples of each phase of matter. List at least 3 characteristics that classify a substance as a solid, liquid, or gas.
5. Make a sample of oobleck (2 parts corn starch and 1 part water). Investigate its properties and record your findings in an organized manner. Under what conditions does it act like a liquid? A solid?